

Coaxial Connector With Positive Stop Clamping Nut Attachment

Abstract

An electrical connector for coaxial cable, the connector having a positive stop for a clamp nut. The clamp nut driving a means for compression which sandwiches a leading edge of the coaxial cable outer conductor between the connector body and the means for compression. The positive stop positioned to limit tightening of the clamp nut and thereby compression force upon the flared leading edge of the coaxial cable outer conductor to a desired maximum level. The means for compression, for example a circular coil spring may be deformable, allowing the connector to adapt to varying manufacturing tolerances of each connector component, yet still maintaining the maximum desired compression force limit. Thereby, the connector may be correctly installed without requiring use of a torque wrench to ensure proper compression force.